ABSTRACT

The invention relates to a system for passing cables between the body and a door (1) of a motor vehicle. The inventive system comprises a flexible sheath (5) containing the electrical cables (7), the ends of said sheath being connected to an edge wall (11) of the door and a fixed wall (2) of the body respectively. In addition, the flexible sheath (5) comprises an axially-extensible part (51) having one end (4) which is fixed to the body and another end (52) which is connected to the edge wall of the door at the edge of a cable passage hole (12) which is disposed in said edge wall, such that the aforementioned extensible part (51) of the sheath lengthens when the door (1) is opened. Moreover, the cables comprise a free length (72) inside the door such that they can slide in the sheath in order to absorb the variations in the length of the latter as the door pivots. The sheath (5) extends beyond the end of the axially-deformable part which is fixed to the body, by a flexibly-deformable part (53) the end (56) of which is connected to the body at the cable passage in the wall of the body. The cables comprise a free length (72) inside the door such that they can slide into the sheath and absorb the variations in the length of the latter as the door pivots.